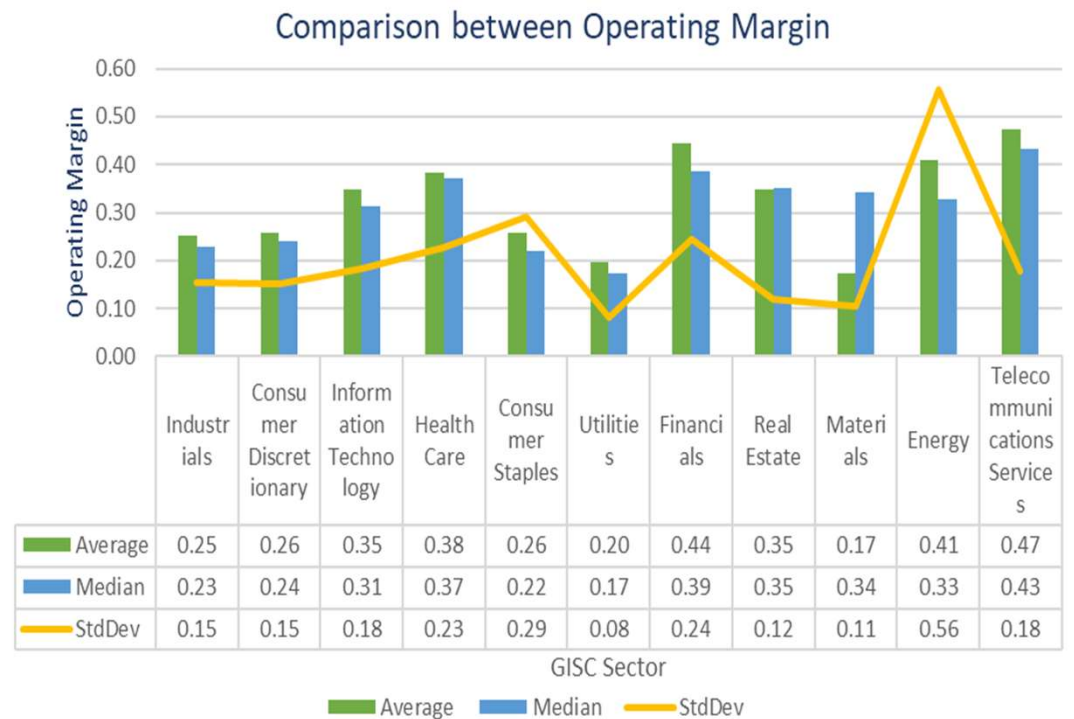


Which Industry has the highest profitability for the investors?

As per my analysis, **telecommunication sector** has the **highest profitability** for the investors. I base my analysis on the fact that average operating margin is 0.47 and the median is 0.43, since the standard deviation is very low, we know that the data spread evenly (less volatility). However, Consumer Staples and Energy both has a very high standard deviation, which shows the data might have outliers. This means when we get more data for these sectors our conclusion that telecommunication sector being the highest profitable may vary.

The histogram is representing Average, Median & Standard Deviation of Operating Margin based on GISC sector. Consumer Discretionary and Consumer Staples has the same average, which means companies under these industry has similar operating margin. But when we look at the median its slightly higher in Consumer Discretionary.



However the mean between two sector is same , we should also consider the spread. The SD of Consumer Staples is 0.29 and 0.15 for Consumer Discretionary. Which is a significant difference representing Companies under consumer staples has more dispersed operating margin which is riskier for the investment.